U.S.S.N. 09/658,390 Filed: September 8, 2000

AMENDMENT AND RESPONSE TO OFFICE ACTION

- 43. (Original) The composition of claim 38, wherein the macromer comprises up to 50% (wt/wt) of the formulation and the monomer comprises at least 45% (wt/wt) of the formulation.
- 44. (Original) The composition of claim 43, further comprising less than 40%(wt/wt) water.
- 45. (Original) The composition of claim 41, wherein the monomer is diacetone acrylamide.
- 46. (Original) The composition of claim 38, wherein upon copolymerization of the macromer and monomer, a polymeric material is formed, wherein the material comprises hydrophobic and hydrophilic regions and is characterized as having the following properties:
- a) absorbing water to less than about 300% of its initial weight, on equilibration with water or bodily liquids;
- b) having a solids content of at least about 20% after equilibration in water or bodily liquids;
 - c) having an elongation to failure of at least about 25% hydration to equilibrium; and
- d) being sufficiently biocompatible to permit the treatment or repair of biological tissue, or used as an implant in a patient.
- 47. (Original) The composition of claim 38, wherein the macromer has the formula AHK, wherein:

A is a residue of an ethylenically unsaturated acid that is linked to H by a bond selected from ester and amide;

ATL: #565506v)

3

PTI 126 077637/00017 U.S.S.N. 09/658,390 Filed: Scptember 8, 2000

AMENDMENT AND RESPONSE TO OFFICE ACTION

H is the residue of a hydroxy carboxylic acid, a carbonic acid, or an amino acid, which is linked to K by an ester bond; and

K is the residue of an alcohol containing at least one carbon atom.

48. (Original) The composition of claim 47 wherein

A is selected from the group consisting of acrylic, methacrylic crotonic, isocrotonic, tiglic, angelic, and cinnamic acids; maleic, fumaric, citraconic, mesaconic, itaconic, citric and isocitric acids, and monoesters and monoamides thereof, and mixtures thereof;

H is selected from the group consisting of glycolic acid, lactic acid, 3-hydroxy-propanoic acid, a hydroxybutyric acid, a hydroxypentanoic acid, hydroxy trimethylene carbonic acid, hydroxy ethylene carbonic acid, hydroxy propylene carbonic acid, hydrolyzed dioxanone, a hydroxybexanoic acid, an alpha, beta or gamma amino acid of eight carbons or fewer, and mixtures thereof; and

K is an alcohol containing from 1 to about 10 carbon atoms and at least one hydroxyl group, or a mixture of such alcohols.

49. (Original) The composition of claim 48 wherein A is selected from the group consisting of acrylic acid and methacrylic acid.

ATLI #365506v1

4

FTI 126 077637/00017